

**TECHNICAL WORK MAY NOT BEGIN PRIOR TO CO APPROVAL**

NASA/GODDARD SPACE FLIGHT CENTER

**REQUEST FOR TASK PLAN / TASK ORDER**

<b>CONTRACTOR</b>		<b>CONTRACT NO./TASK NO.</b>		<b>JOB ORDER NUMBER</b>	<b>APPROP. FY</b>
QSS Group, Inc.		NASS- <b>99124</b>	TASK NO. <b>44</b>	AMENDMENT	(See SOW) 99
TASK TITLE: (NTE 80 characters; include Project name) <b>Cryogenic Coolers</b>					
<b>APPROVALS:</b> (Type or print name and sign)					
ASSISTANT TECHNICAL REPRESENTATIVE (OR TASK MONITOR)		DATE	ORG CODE	MAIL CODE	PHONE
Kimberly Shirey <i>JA Castles</i>		4/23/99	552	552	301-286-6618
BRANCH HEAD		DATE	CODE	PHONE	
Stephen Castles <i>JA Castles</i>		4/23/99	552	301-286-5405	
CONTRACTING OFFICER'S TECHNICAL REPRESENTATIVE (COTR)		DATE	CODE	PHONE	
Fred Huegel <i>Deborah A. Clark</i>		4/23/99	568	301-286-2285	
FLIGHT HARDWARE, CRITICAL GSE OR SOFTWARE? (IF YES, NEED CODE 303 CONCURRENCE NEXT BLOCK)		CONTRACTING OFFICER'S QUALITY REP.		DESIGNATED FAM:	
[ ] NO [X] YES		<i>Deborah A. Clark</i> Larry Moore			
The contractor shall identify and explain the reason for any deviations, exceptions, or conditional assumptions taken with respect to this Task Order or to any of the technical requirements of the Task Order Statement of Work and related specifications. The contractor shall complete and submit the required Reps and Certs.				(To be completed by Contracting Officer) <b>C.O. Requested Quote on:</b> <b>Date: MAY - 3 1999</b>	
Contractor will develop specification or statement of work under this task for a future procurement. [X] NO [ ] YES					
Flight hardware will be shipped to GSFC for testing prior to final delivery. [X] NO [ ] YES [ ] N/A					
Government Furnished Property/Facilities: [ ] NO [X] YES -- SEE LIST OF GFP (offsite only) / FACILITIES (onsite only)					
Onsite Performance: [ ] NO [X] YES If yes: [X] TOTAL [ ] PARTIAL If partial, indicate onsite work in SOW by asterisk (*)					
Surveillance Plan Attached: [X] NO [ ] YES					
Highlighted Contract Clauses: (to be completed by Contracting Officer) Per Clause H.14, Task Ordering Procedure, subparagraph (f), the effective date of this task order shall be May 3, 1999.					
<b>INCENTIVE FEE STRUCTURE (check one)</b>					
	<u>X</u> No. 1	No. 2	No. 3	No. 4	No. 5
Cost	10%	50%	25%	25%	%
Schedule	15%	25%	25%	50%	%
Technical	75%	25%	50%	25%	%
(To be completed by Contracting Officer)					
The target cost of this task order is \$ <u>225,374</u> .					
The target fee of this task order is \$ <u>14,437</u> .					
The total target cost and target fee of this task order as contemplated by the Incentive Fee clause of this contract is \$ <u>239,811</u> .					
The maximum fee is \$ <u>21,101</u> .					
The minimum fee is \$0.					
<b>AUTHORIZED SIGNATURE:</b>					
THIS TASK ASSIGNMENT IS ISSUED ACCORDING TO THE CONTRACT CLAUSE "TASK ASSIGNMENTS AND REPORTS"					
<i>Lois L. Eakin</i>		<u>11/3/99</u>		<b>Lois L. Eakin</b> Contracting Officer	
SIGNATURE OF CONTRACTING OFFICER		DATE		TYPED NAME OF CONTRACTING OFFICER	
<b>CONTRACTOR'S ACCEPTANCE:</b>					
AUTHORIZED SIGNATURE			DATE		

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QSS Group, Inc.	NAS- 99124	44	

Applicable paragraphs from contract Statement of Work: Function 2D3

**STATEMENT OF WORK:** (Continue on blank paper if additional space is required)

The contractor shall perform Instrument Systems Technology Services to support the Goddard cryocooler development program. Services includes the development of software and test techniques, the set-up and conduct of the tests and the data analysis of the test results. These efforts will support both cryocooler R&D and flight projects such as EOS Chem (HIRDLS) and Explorers (HESSI).

The work will be performed at the Cryocooler Test Bed which is located at Goddard, Area 400 (sometimes called the Propellant Test Facility).

This effort is ongoing under another task and cannot be interrupted.

**Job Order Numbers**

Cooler testing will be performed for HIRDLS under ~~552-228-12-21-89~~ 552-228-12-21-89.  
Cooler testing will be performed for HESSI under ~~552-882-10-30-89~~ 552-882-10-30-89.  
Cooler testing will be performed for R&D under ~~552-632-66-01-89~~ 552-632-66-01-89.

**PERFORMANCE SPECIFICATIONS:**

Provide test data in accordance with the schedule below (see Milestones/Deliverables)  
Test data will be archived in the Cryocooler Test Folder

**APPLICABLE DOCUMENTS:**

None

**TASK END DATE:** 4/30/00**MILESTONES/DELIVERABLES AND DATES:**

Complete functional and acceptance testing of 2 Sunpower M77 coolers by 8/31/99  
Complete testing and deliver the HESSI flight cooler by 9/30/99  
Complete functional testing of Ball coolers by 11/30/99  
Complete functional testing of miniature cooler electronics by 12/31/99  
Complete functional and preliminary life testing of 4 Sunpower M77 coolers by 4/30/00

**PERFORMANCE STANDARDS:**

**Schedule:** On-time delivery/completion of the above  
**Technical:** ATR's acceptance of the above

**FINAL DELIVERY DESTINATION (NAME, BLDG, ROOM):**

Kimberly Shirey, building 405, room 5A